

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P857909

Luminaire Tested: **LD4C40D010 EU4409030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P857909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 7/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409030 4LBMLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

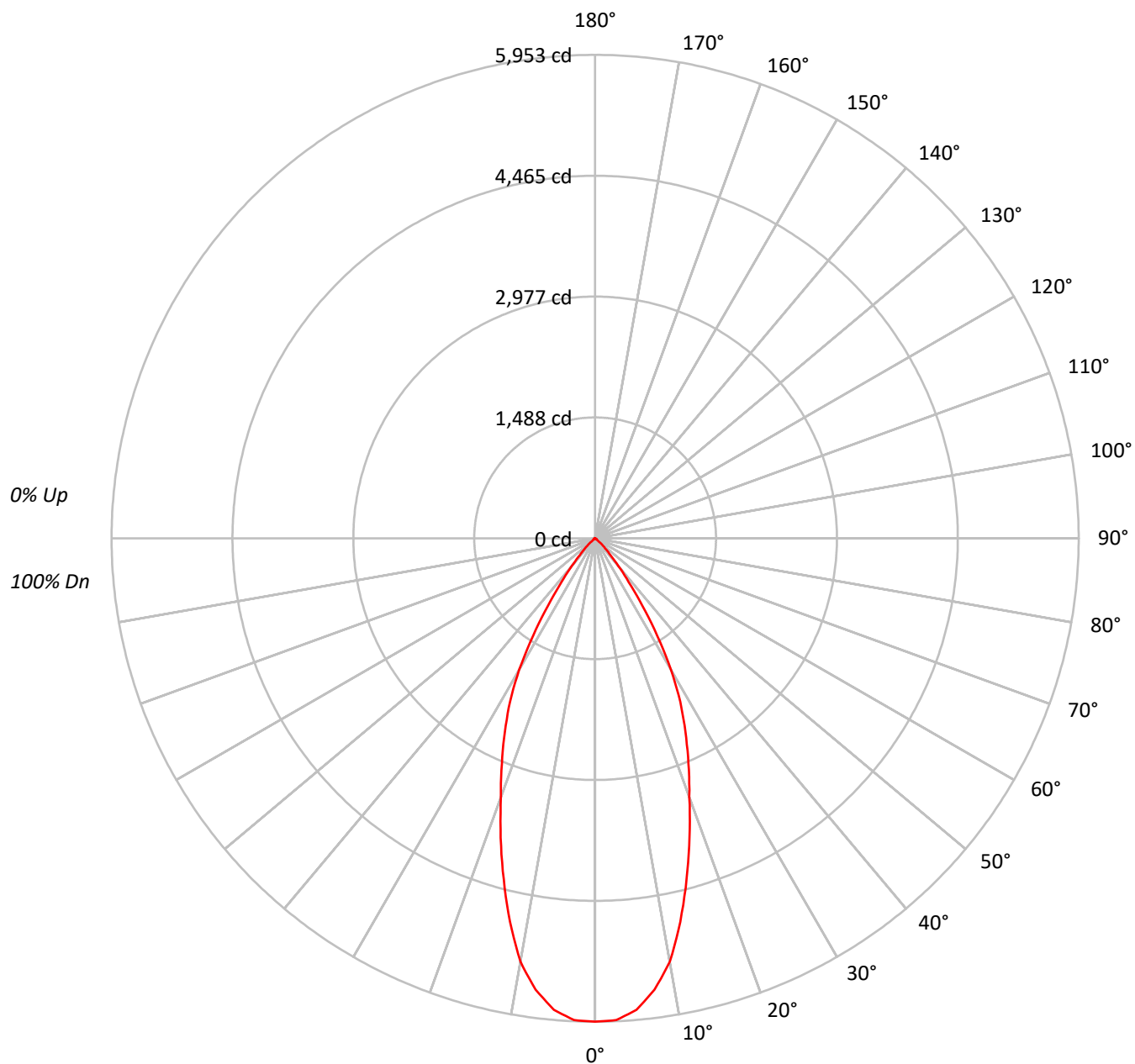
Lumens per Lamp: N/A
Luminaire Lumens: 3776.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	731298
5°	718873
10°	660532
15°	553163
20°	443162
25°	356086
30°	265078
35°	151431
40°	71062
45°	30179
50°	9614
55°	4905
60°	3366
65°	2645
70°	1652
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.0	14.3
10°-20°	1204.9	31.9
20°-30°	1198.0	31.7
30°-40°	652.4	17.3
40°-50°	150.8	4.0
50°-60°	21.2	0.6
60°-70°	7.9	0.2
70°-80°	1.8	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2941.9	77.9
0°-40°	3594.3	95.2
0°-60°	3766.4	99.7
0°-90°	3776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3776.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5953	
5°	5829	539
15°	4349	1205
25°	2627	1198
35°	1010	652
45°	174	151
55°	23	21
65°	9	8
75°	0	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5952.6
2.5°	5938.9
5°	5829.2
7.5°	5605.5
10°	5294.9
12.5°	4838.0
15°	4349.2
17.5°	3864.9
20°	3389.7
22.5°	3001.5
25°	2626.9
27.5°	2270.6
30°	1868.6
32.5°	1420.8
35°	1009.7
37.5°	680.6
40°	443.1
42.5°	278.6
45°	173.7
47.5°	100.6
50°	50.3
52.5°	27.4
55°	22.9
57.5°	13.7
60°	13.7
62.5°	9.1
65°	9.1
67.5°	4.6
70°	4.6
72.5°	4.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)